

Fig 1

Figure 2

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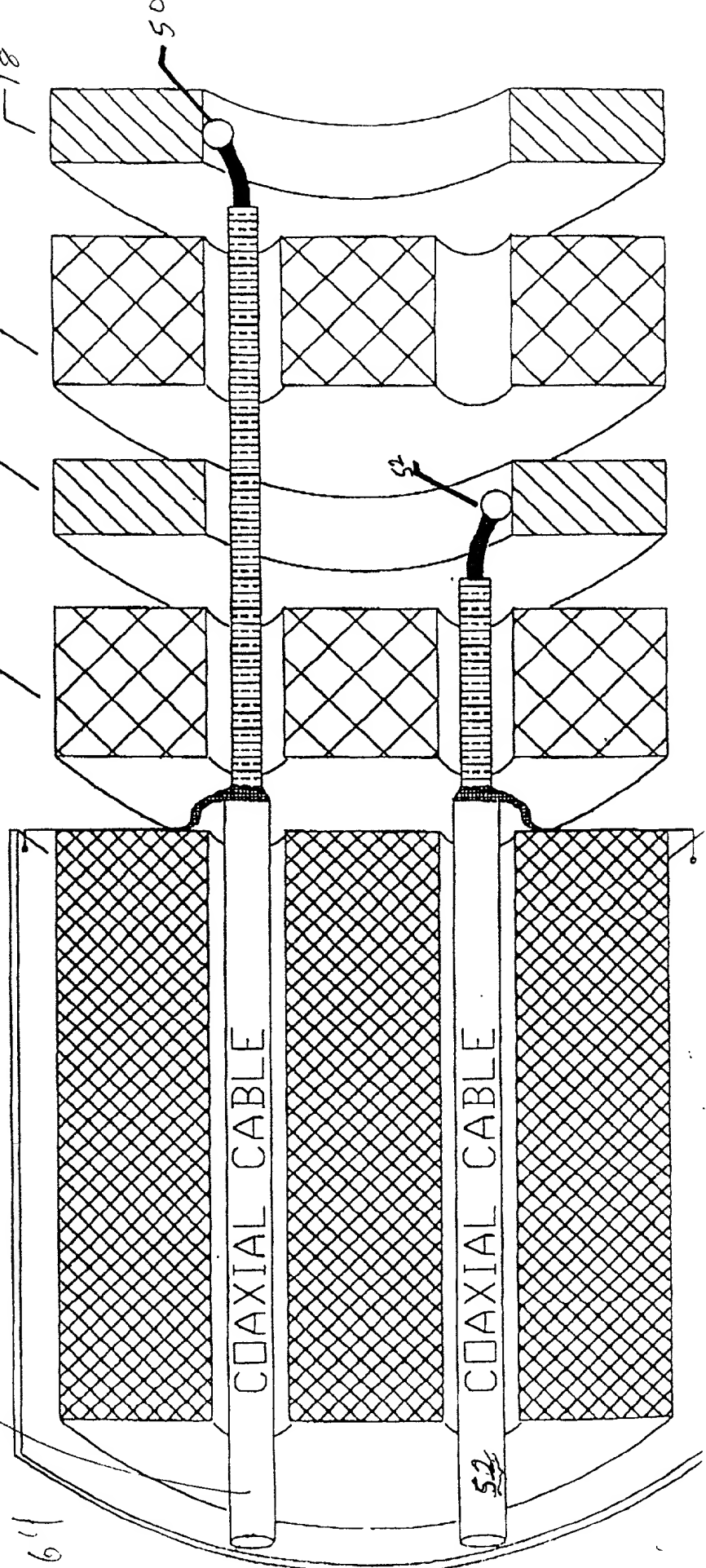
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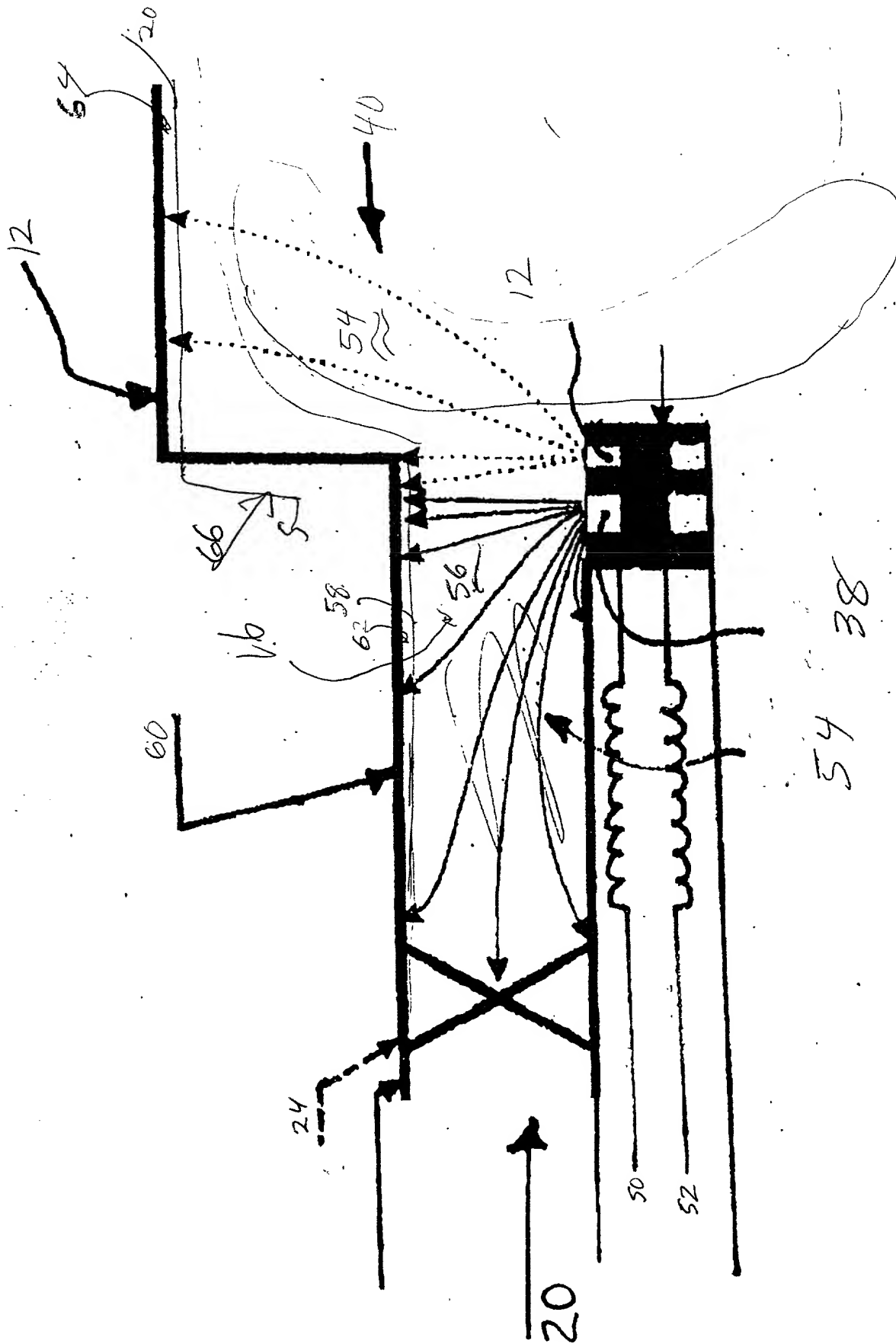


FIGURE 3

FORM 3560-2562

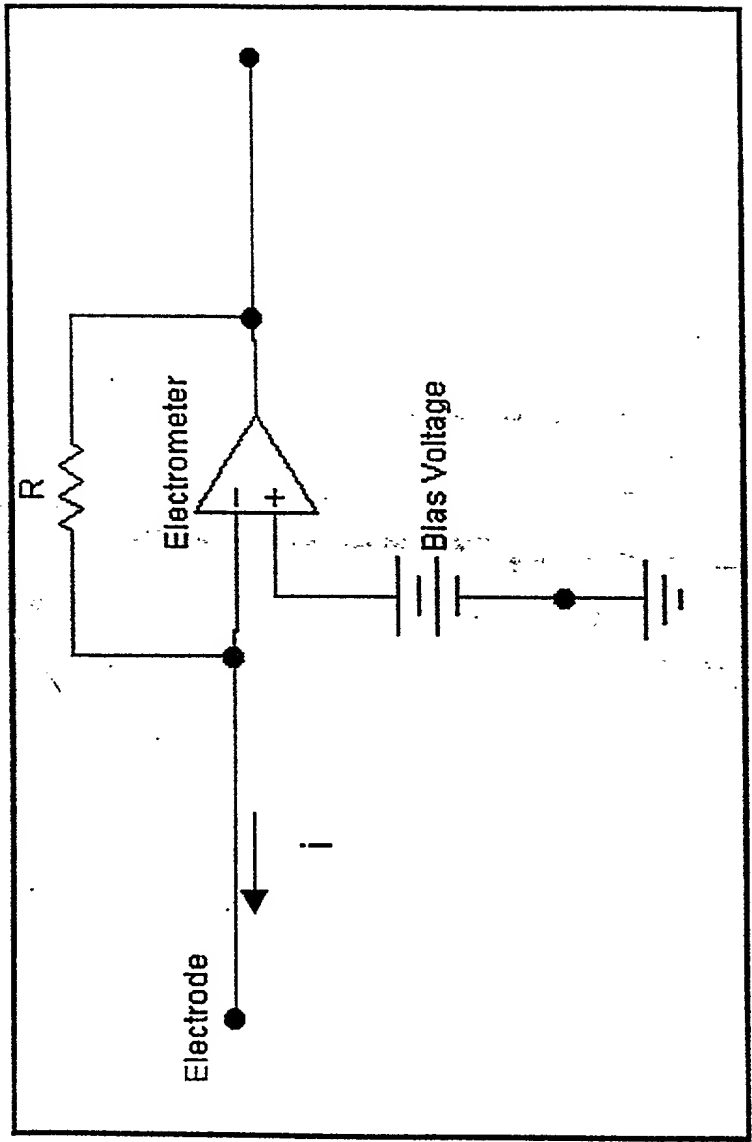
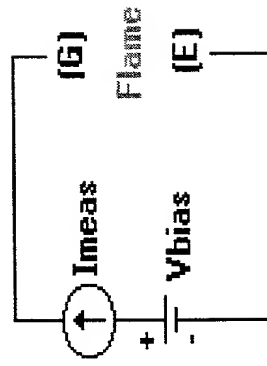


Figure 4: Typical control circuit for flashback detection sensor.

Fig. 4

Figure 4b. Typical current measuring device.



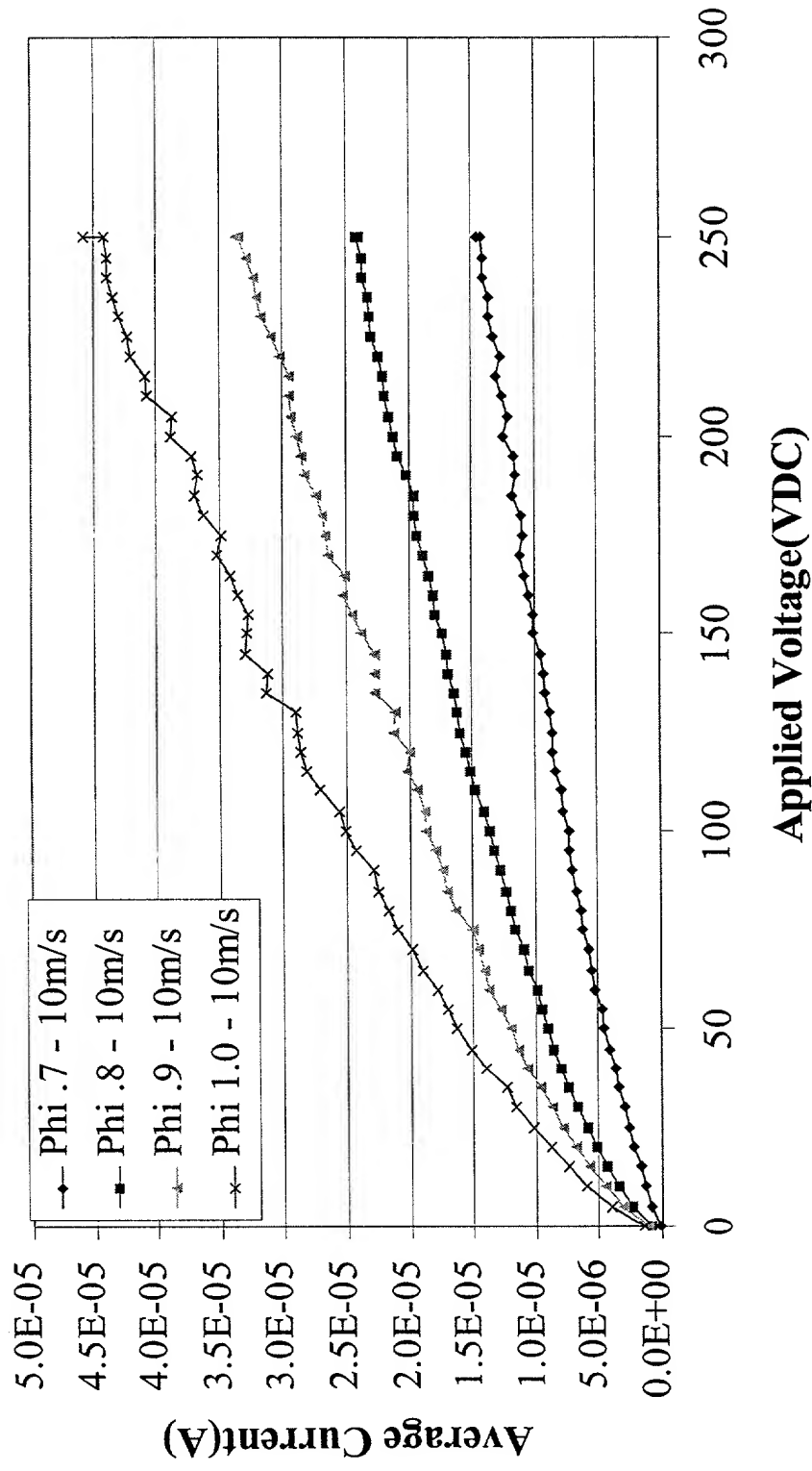


Figure 5 Shows the average current measurements over a range of applied voltage (Vbias) and equivalence ratios, at 10m/s bulk velocity using the isolated electrode combustion configuration.

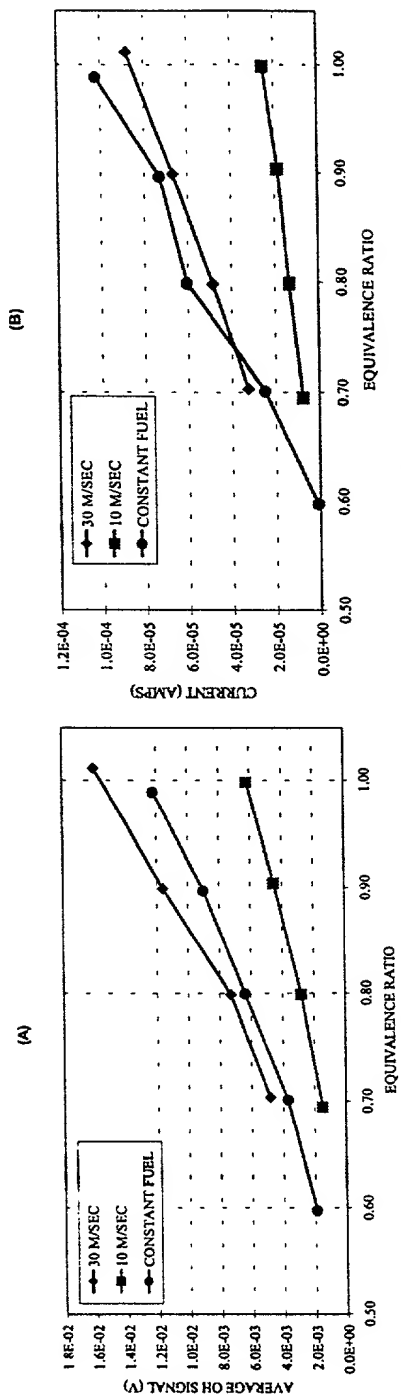


Figure 6. Data from the isolated electrode configuration: (A), and the average OH measurements at a range of equivalence ratios, (B) The average current with V_{bias} of 100 VDC at a range of equivalence ratios.

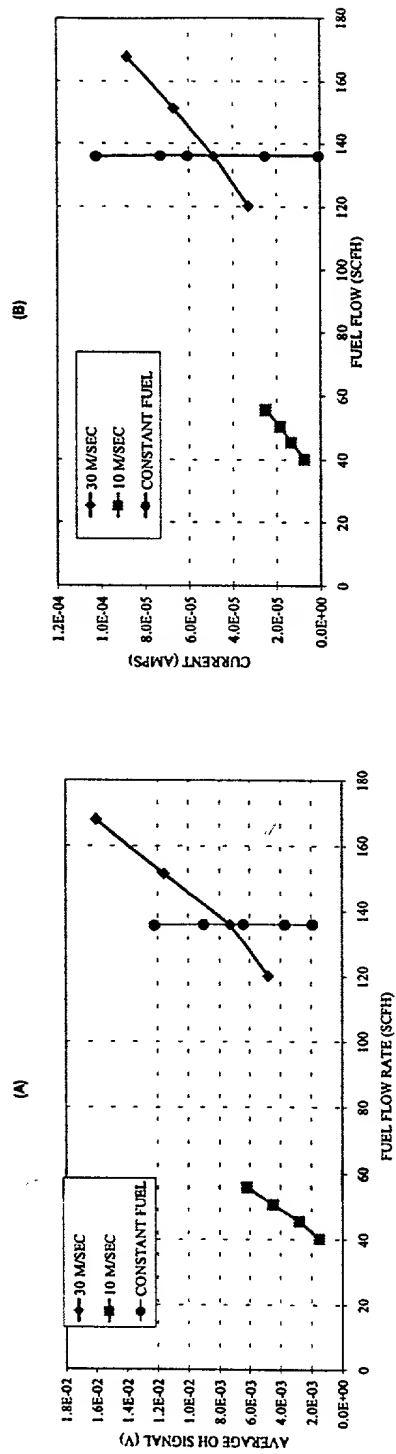


Figure 7. Data from the isolated electrode configuration: (A), and the average OH measurements at a range of fuel flow rates, (B) The average current with Vbias of 100 VDC at a range of fuel flow rates.

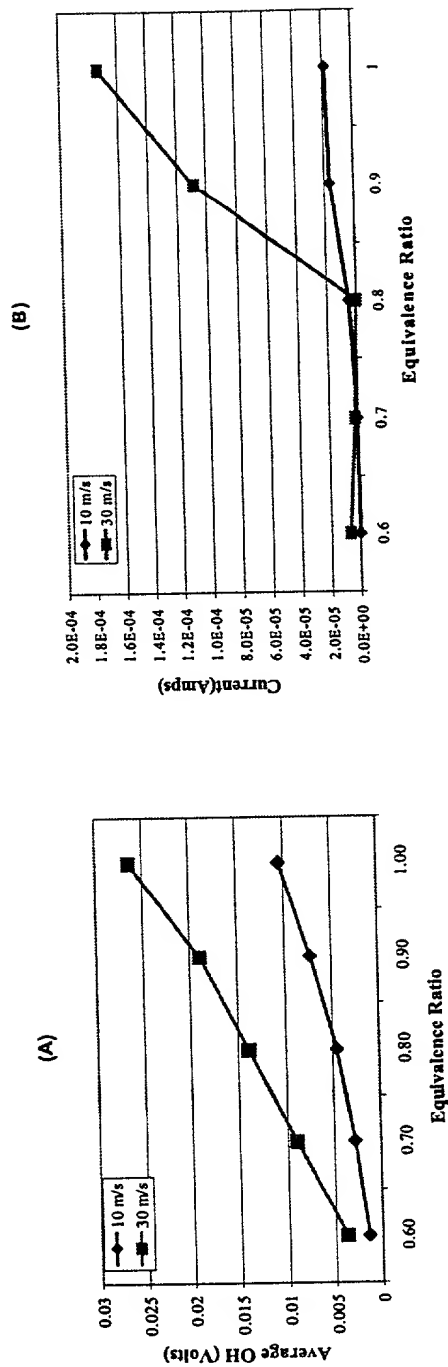


Figure 8. Data from the metal combustor configuration: (A), the average OH measurements at a range of equivalence ratios, (B) the average current measurements at a range of equivalence ratios.